Jeremy Ey

email: web@jley.net – web: https://www.jeremyey.us – twitter: @kayakerscout

Professional Experience

Systems Administrator   Dec. 2011 – Present
Information Technology Services, Tennessee Technological University   Cookeville, TN
  Title for same position from Dec 2011- Nov 2012 Systems Programmer II
- Lead systems administrator for campus-wide virtual desktop infrastructure (VDI).
- Install, maintain, and recommend solutions within server, disaster recovery (DR), and desktop virtualization environments utilizing:
  - vSphere Suite (ESXi, vCenter),
  - Horizon View, Unidesk,
  - Powershell, PowerCLI,
  - Dell servers (rack and blade models),
  - vSAN, and iSCSI (Nimble and EqualLogic) storage.
- Develop best practices and design for virtual desktops and hosts, including resource (CPU/RAM/Storage) allocations.
- Deploy and maintain virtual desktop pools (including operating systems and software applications) and hardware endpoints (Teradici and WYSE ThinOS) within the campus virtual desktop environment.
- Incorporated NVIDIA vGPU graphics virtualization into the virtual desktop environment.
- Maintenance of backup and replication solution in both primary and DR data center environments (Rubrik, Commvault).
- Work with project teams within information technology and across the university in the planning, design, implementation, and administration of information technology solutions. This includes the deployment, upgrade, and migration of software products, operating systems, and hardware based on solution lifecycles.
- Provide guidance and direction to other information technology professionals in the support and use of deployed solutions.

Adjunct Instructor   Jan. 2012 – Dec. 2016
Department of Computer Science, Tennessee Technological University   Cookeville, TN
- Taught courses in Information Technology (CSIT) – Systems Programming (Fall) & Web Programming (Spring).
- Taught courses in Web Design and Development (Spring 2012).

Instructor   Aug. 2007 – Dec. 2011
Department of Computer Science, Tennessee Technological University   Cookeville, TN
- Taught courses in web design and introductory computing.
- Courses included coverage of programming with client-side JavaScript, PHP, and Python.
- Assisted students with web related projects using a variety of technologies.

Graduate Research Assistant   Jan. 2006 – July 2007
Department of Computer Science, Tennessee Technological University   Cookeville, TN
- Researched record linkage as part of the Volunteer eHealth Initiative.
- Evaluated record linkage algorithms for use in linked medical records.
- Developed several tools to assist in the review of records and record linkage results including:
  - a deterministic record linkage toolkit (dGrail) that made use of distributed job scheduling,
  - a Regional Health Information Organization (RHIO) simulator (RHIM),
  - a GUI, using PyObjC bridge and Cocoa, for review of linkage results.
- Majority of development work was performed in Python on OS X
- This work also included review of existing code, written in either Python or Perl.

Education
M.S. Computer Science - Tennessee Technological University
> Thesis Title: A Knowledge Discovery and Modeling Framework for Population-sensitive Evaluation of Record Linkage Algorithms
> Advisor: Dr. Douglas A. Talbert

B.S. Computer Science - Tennessee Technological University
> Concentration in Software and Scientific Applications

Certifications and Recognitions
Microsoft Certified: Azure Virtual Desktop Specialty

Microsoft Certified: Azure Administrator Associate

VMware Certified Implementation Expert – Desktop and Mobility (VCIX6-DTM)

VMware Certified Advanced Professional
> Desktop and Mobility Deploy (VCAP6-DTM Deploy)
> Desktop and Mobility Design (VCAP6-DTM Design)

VMware Certified Professional
> Desktop and Mobility (VCP7-DTM, VCP6-DTM, VCP5-DT)
> Data Center Virtualization (VCP-DCV 2020, VCP6-DCV, VCP5-DCV)

VMware vExpert (2018 - 2022)

VMware EUC Champion (2018 - 2020)

Service
VMware User Group – VMUG Program Success & Innovation Committee Member (2019, 2020)

Merit Badge University (Boy Scouts of America), Tennessee Technological University
> Merit Badge Counselor (2009-2020, 2022)

ACM ICPC Regional Programing Contest, Tennessee Technological University Site
> Site Assistant or Technology Staff (2003-2010, 2012-2017, 2019)